

When to engage IQVIA Applied AI Science for Literature Reviews

Decision guidance for software or services



The challenges of manual literature reviews



Literature Reviews are **resource-intensive** and **time-consuming (3-12 months)**.



Searches are often **conducted separately** over **multiple, disparate databases**.



Too broad a search creates **unmanageable screening burden**; too narrow can **omit important articles**.



Concerns with a **lack of explainability** in search and screening when using general-purpose AI tools.

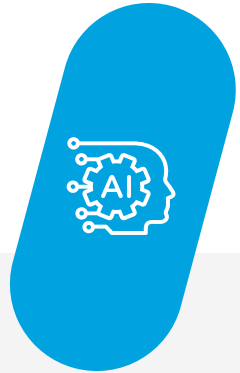


Manual data extraction and downstream report generation is **laborious, tedious and error-prone^{1,2}**.

1. [Single-reviewer abstract screening missed 13 percent of relevant studies: a crowd-based, randomized controlled trial - ScienceDirect](#)

2. <https://bmcmmedresmethodol.biomedcentral.com/articles/10.1186/s12874-017-0431-4>

How IQVIA Applied AI Science can support you



Specialized **agentic AI platform** for literature reviews, available for licensing or underpinning **services** delivered in a fraction of the time of manual reviews.



Built on an **AI-ready content foundation of 360M+ scientific documents, continuously updated** and **extensible** to any other sources you need.



Ontology-enhanced, deterministic search assuring **high recall**, with **auto-screening** of large corpora at speed.



Transparent, auditable search strategies, with screening results presented to the user with confidence scores, rationale for inclusion/exclusion.



Auto-population of pre-defined extraction templates and generation of a comprehensive, cited report.

Choose the engagement model that fits your needs

IQVIA AI-Assisted Literature Review Service

- **Expert-led** design, execution and delivery.
- Ideal for **occasional** or **one-off reviews**.
- Powered by IQVIA Healthcare-Grade AI®

IQVIA Literature AI Platform License

- Mostly **independent execution**.
- Best for **frequent or ongoing reviews**, and across multiple teams.
- Powered by IQVIA Healthcare-Grade AI®

Fact Sheet



IQVIA AI-Assisted Literature Review Service

- Benefit from expert-led AI-driven literature reviews powered by IQVIA Healthcare-Grade AI®
- Get high-quality insights faster from massive volumes of scientific publications

As the volume of published scientific research continues to grow, the time and effort required to perform necessary scientific literature reviews expands accordingly. Relying solely on traditional manual review methods has become increasingly untenable. Fortunately, the responsible adoption of AI offers an innovative solution to this pervasive challenge.

If literature reviews are placing undue burden on your team — we can help

- Struggling to identify which articles are most relevant to your research question from a sea of existing body of scientific literature?
- Coping with massive content loads due to a significant manual burden on your experts?
- Unable to keep up with the complex demands related to literature reviews, rising from challenging to research a timely answer?

Then IQVIA AI-Assisted Literature Review Service is right for you.



Cut literature review times from months to days

IQVIA AI-Assisted Literature Review Service brings together world-class expertise in evidence synthesis and prompt AI to transform how scientific literature is reviewed. In this engagement model, our experts cut our proprietary IQVIA Literature AI Platform. Powered by IQVIA Healthcare-Grade AI®, the platform brings several AI agents together into a cohesive system which can literature review from months to days while improving the quality and consistency of outputs.

This expert-guided AI accelerated service delivers faster, more comprehensive answers than achievable using a fully manual approach, without sacrificing accuracy, giving your organization the clarity and confidence needed to act on the latest scientific evidence.

EMPOWER YOUR EXPERTS	DATA INNOVATION	FOCUS ON YOUR GOALS
AI agents augment human expertise, enabling researchers to focus on interpretation of outputs and operational change insights, instead of repetitive manual tasks.	Automate search, screening and data extraction to support the most current evidence, making time and high-quality literature reviews a practical reality.	So all your literature review capacity, answering other insights from your records to support global market access, clinical development, and publication strategies.

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Fact Sheet



IQVIA Literature AI Platform

Cut literature review time from months to days with IQVIA's proven agentic platform

As the volume of published scientific and medical research continues to grow, the time and effort required to perform essential literature review expands accordingly. Combining top-tier traditional, manual-only review is becoming increasingly untenable. Fortunately, novel AI technologies, including generative AI and AI agents, offer one way to tackle this problem. IQVIA Literature AI Platform brings several AI agents together into a cohesive system that helps customers cut literature review times from months to days while improving the quality and consistency of outputs. It is revolutionizing targeted literature review, ongoing literature review and literature synthesis, enabling teams to quickly gain insight from massive volumes of scientific literature, and freeing them for other strategic, value-driven activities.

Is your organization...

1. Struggling to identify which articles are most relevant to your research question from a sea of existing body of scientific literature?
2. Coping with massive content loads due to a significant manual burden on your experts?
3. Unable to keep up with the complex demands related to scientific literature reviews, making them difficult to navigate in a timely manner?

Deliver a targeted literature review in as little as 30 minutes

Join other Top 10 Pharma companies benefiting from the Literature AI Platform, powered by IQVIA Healthcare-Grade AI®. Our agentic platform is designed to deliver a targeted literature review in as little as 30 minutes, while maintaining comprehensive and quality.

IMPROVES YOUR EFFICIENCY	DATA INNOVATION	FOCUS ON YOUR GOALS
All agents augment human expertise, enabling researchers to focus on interpretation of outputs and generation of strategic insights instead of repetitive manual tasks.	Automate search, screening and data extraction to capture a more current evidence, making time and high-quality literature reviews a practical reality.	So all your literature review capacity, answering other insights from your records to support global market access, clinical development, and publication strategies.

Value: AI agents augment human expertise, enabling researchers to focus on interpretation of outputs and generation of strategic insights instead of repetitive manual tasks.

Proof: A Top 10 pharma company used the Literature AI Platform to complete a literature review in 30 minutes, a 90% reduction in time to complete the review. The platform identified 90% of relevant research, enabling superior performance in clinical trial recruitment and market access strategies.

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Core benefits to your business



Decision Confidence

Make scientific and strategic decisions with confidence, grounded in complete, traceable evidence across content sources



Speed to Results

Empower your teams to interrogate massive volumes of content with speed and precision, compressing workflows that once took weeks or months into days (sometimes hours)



Cost Savings & ROI

Replace costly, fragmented content pipelines with one centralized and reusable foundation that delivers measurable ROI across the enterprise

Where trust meets innovation:

The impact of IQVIA Applied AI Science for life sciences and healthcare



Market Trusted



19 of the Top 20 Pharma



FDA



NASA



MedTech



Biotech



Healthcare Payers/Providers



At the forefront of innovation



PRESS RELEASE

IQVIA and NVIDIA Collaborate to Transform Healthcare and Life Sciences Through Advanced Agentic AI Solutions

Jan 13, 2025



100+ publications

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AppliedAIScienceInfo@IQVIA.com

